

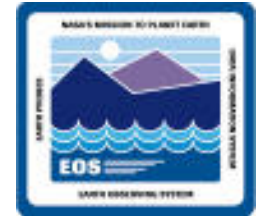
ECS Roles & Responsibilities

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Post CSR Roles for ECS on Ir1



Site Installation and Check-Out

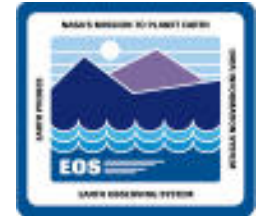
Science Software I&T Support

M&O Support

In-House and On-the-Job Site Training

Sustaining Engineering

Site Installation and Checkout



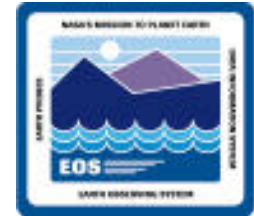
ECS I&T distributes custom software and makes final COTS configurations remotely prior to travel

ECS I&T goes to each site (with M&O support) and performs system tests

ECS I&T prepares a final test report covering results of factory and site tests

ECS I&T holds a final test debrief telecon (in lieu of RRR)

Science Software I&T Support



ECS support has already been on-going in preparation for Ir1 SSI&T

- Draft SSI&T procedures have been written (“Green Book”) as a starting point for ITs and DAACs
- Several Ir1 science software samples have been run through Ir1 tools primarily for test and training (an advance view of SSI&T)

ECS Science Office, Science Liaisons (plus TDY staff), provide software integration expertise, OJT leadership and technical support on SSI&T applications to ITs and DAACs

- PDPS Prototype (Autosys/Sybase/Custom)
- Ir1 AI&T Manager (custom GUI)
- SSI&T Tools (code and standards checkers, file comparisons, profiling tools, etc.)

ECS M&O, 2/site, administer system, including science software baseline control, and provide technical support in non-science applications to ITs and DAACs

- Configuration Manager (ClearCase)
- MSS Event Logging (Sybase) and Network Manager (HP OpenView)
- Start-up, shutdown, back-up, restore, and troubleshooting (ECS problem reporting)
- Remote SSI&T monitoring/user support

M&O Support



In addition to aforementioned SSI&T support, ECS M&O support includes operation of external interface testbed suite of tools for

- **IV&V testing**
- **EGS testing**

ECS M&O provides “first-tier” troubleshooting on site isolating problems down to COTS hardware or COTS software or custom software for further coordination with vendors, EDS and/or ECS sustaining engineers

ECS M&O provides OJT leadership to DAAC operations staff

In-House and On-the-Job Site Training



ECS SCDO provides a week-long in-house training course to Ir1 Science Office and M&O staff (1/8 - 1/12)

- **Training concentrates on custom-developed capabilities and Ir1-specifics of COTS configurations**
- **Format is 1/2 classroom and 1/2 lab work (supervised by developers/experts)**
- **Labs may continue during next 2 weeks (in parallel with site I&T) at Science Office option**

In lieu of broadening attendance for above...

- **ECS recommends informal OJT be provided by Science Office and ECS M&O to ITs and DAACs, as needed, in the February-March timeframe using in-house training materials and 600-series documentation**
- **In-house training will be audited by 2 GSFC DAAC personnel to provide feedback on supplementary material needs to be brought to site for OJT**
- **Classroom training will be videotaped for reuse at sites**

Sustaining Engineering



Custom software sustaining engineering provided by Ir1 development and I&T staff

- **Staff recalled as needed**
- **Dedicated, pager-equipped, technical leadership, with alternate (names & numbers to be announced)**
- **Support is provided 8:15 - 5:00 EST, Monday-Friday, except planned holidays**
- **Planned duration of support is from January through June 30, 1996 (though extension through November is likely)**

COTS software maintenance and support provided by _____ (EDS)

COTS hardware maintenance and support provided by _____ (EDS)